

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061216.D
 Acq On : 20 Mar 2019 18:58
 Operator : VA/AP
 Sample : K2004-02
 Misc : 2.82g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:02:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	539265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	951556	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	696873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	225948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	206134	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	6.92	113	312293	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	
50) Toluene-d8	10.40	98	599157	33.79	ug/l	0.00
Spiked Amount			Recovery	=	67.58%	
62) 4-Bromofluorobenzene	13.55	95	199711	29.02	ug/l	0.00
Spiked Amount			Recovery	=	58.04%	

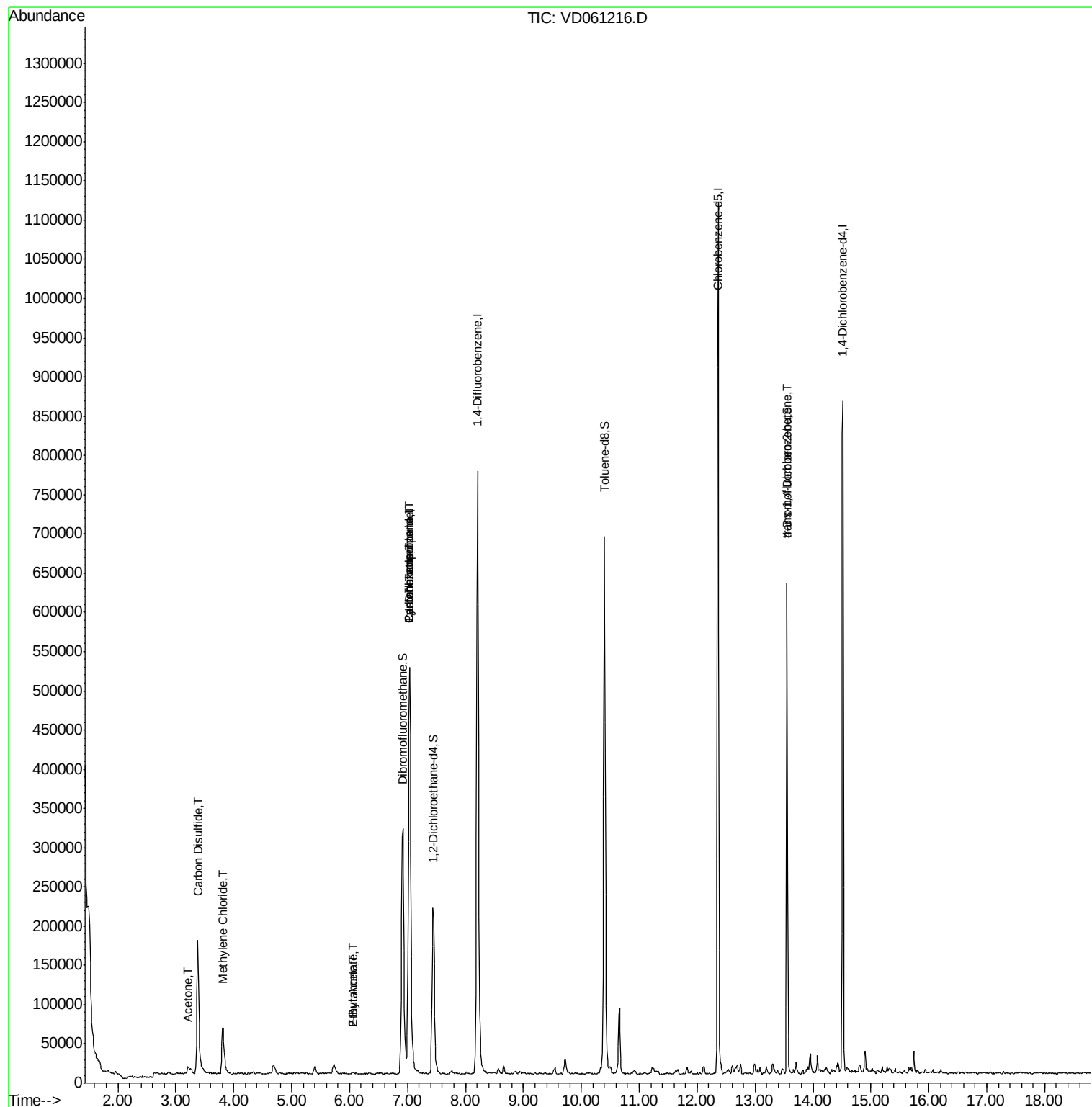
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	198	Below Cal	#	8
16) Acetone	3.21	43	19314	15.047	ug/l	96
17) Carbon Disulfide	3.38	76	350067	19.171	ug/l	98
20) Methylene Chloride	3.82	84	46138	3.551	ug/l	91
25) 2-Butanone	6.05	43	5297	3.637	ug/l	# 55
31) Cyclohexane	7.03	56	9404	1.184	ug/l	# 1
36) 1,1-Dichloropropene	7.03	75	37620	4.587	ug/l	# 44
37) Ethyl Acetate	6.05	43	5297	1.376	ug/l	# 66
38) Carbon Tetrachloride	7.03	117	51280	5.676	ug/l	# 15
81) trans-1,4-Dichloro-2-buten	13.54	75	72271	75.411	ug/l	# 17

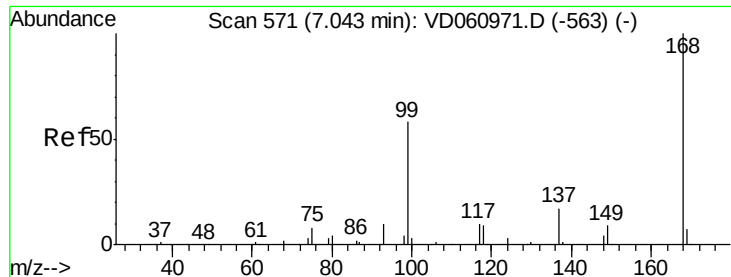
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
Data File : VD061216.D
Acq On : 20 Mar 2019 18:58
Operator : VA/AP
Sample : K2004-02
Misc : 2.82g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 22 02:02:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

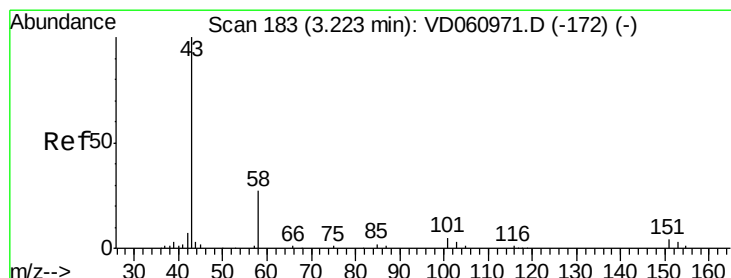
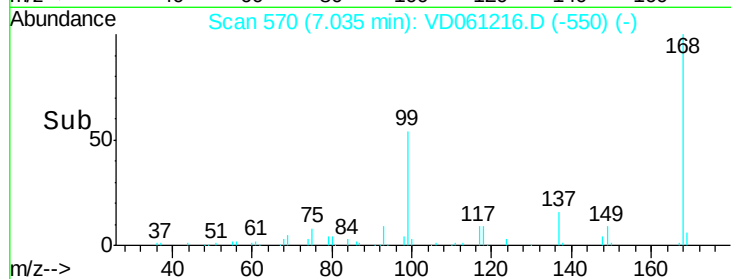
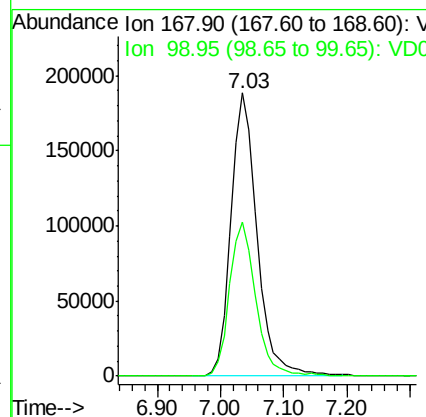
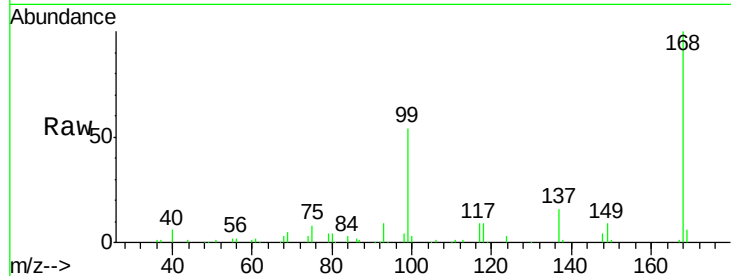




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD061216.D
Acq: 20 Mar 2019 18:58

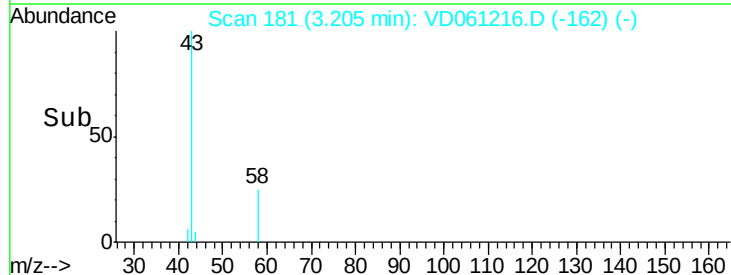
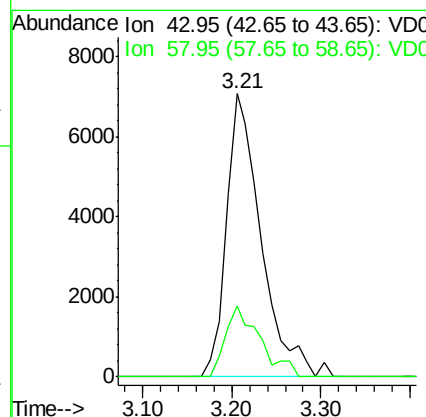
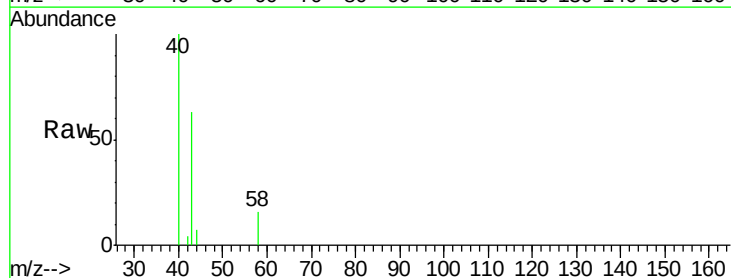
Instrument :
MSVOA_D
ClientSampleId :

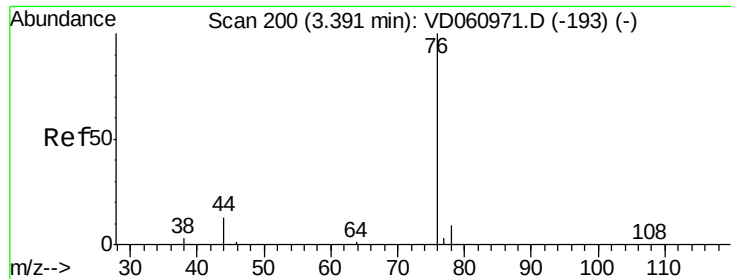
Tot Ion:168 Resp: 539265
Ion Ratio Lower Upper
168 100
99 54.3 47.3 70.9



#16
Acetone
Concen: 15.047 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD061216.D
Acq: 20 Mar 2019 18:58

Tgt Ion: 43 Resp: 19314
Ion Ratio Lower Upper
43 100
58 25.0 21.6 32.4





#17

Carbon Disulfide

Concen: 19.171 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

Instrument :

MSVOA_D

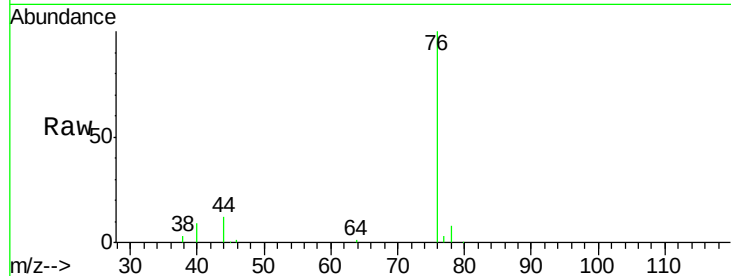
ClientSampleId :

Tot Ion: 76 Resp: 350067

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

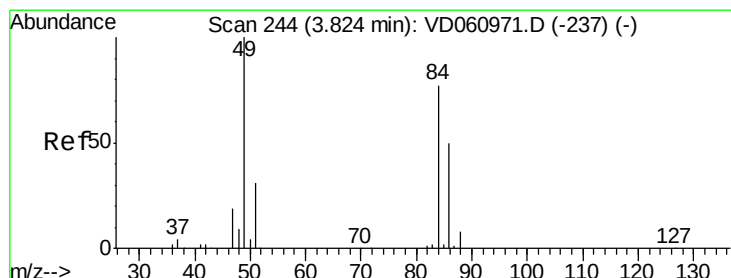
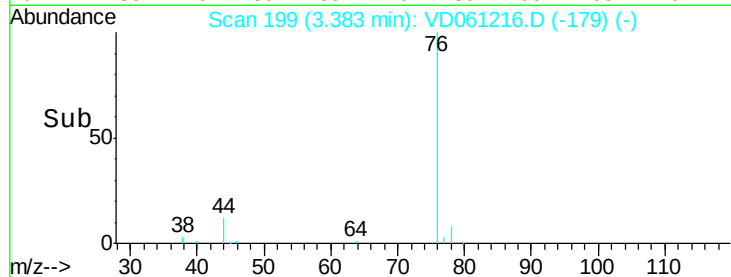
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 3.551 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

Tgt Ion: 84 Resp: 46138

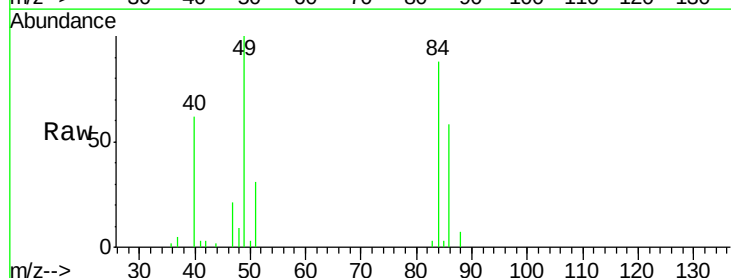
Ion Ratio Lower Upper

84 100

49 113.6 104.2 156.2

51 35.5 32.3 48.5

86 65.6 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

25000

20000

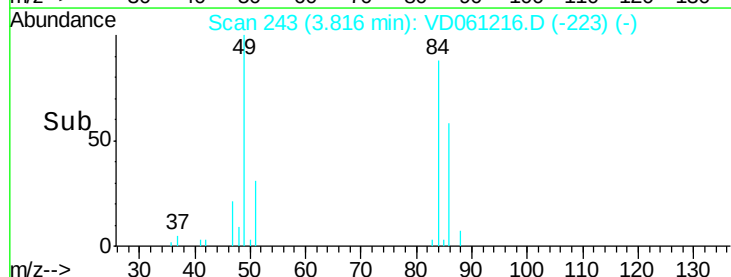
15000

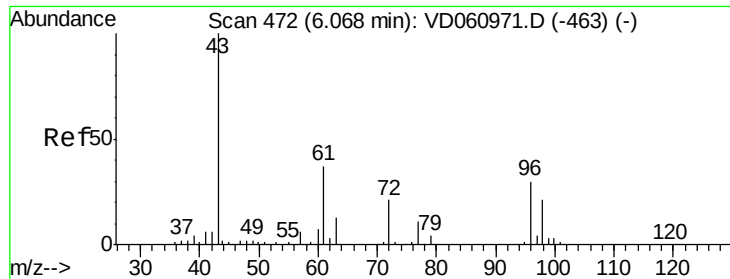
10000

5000

0

Time-->





#25

2-Butanone

Concen: 3.637 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

Instrument :

MSVOA_D

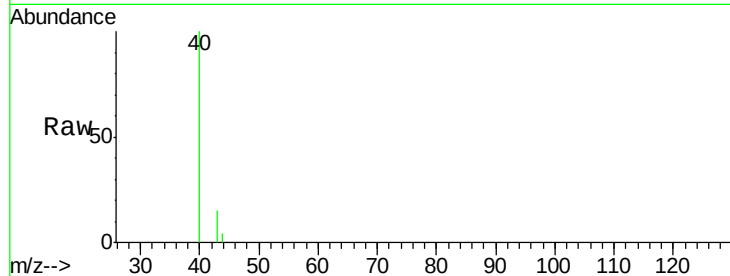
ClientSampleId :

Tot Ion: 43 Resp: 5297

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.05

2000

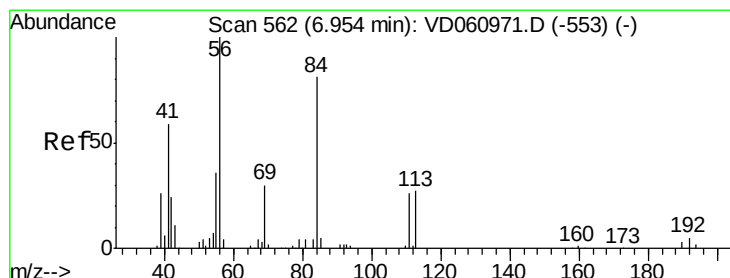
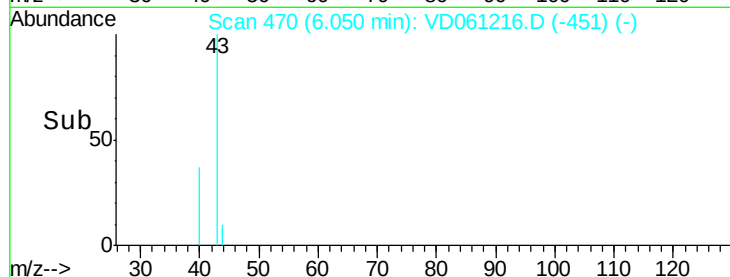
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

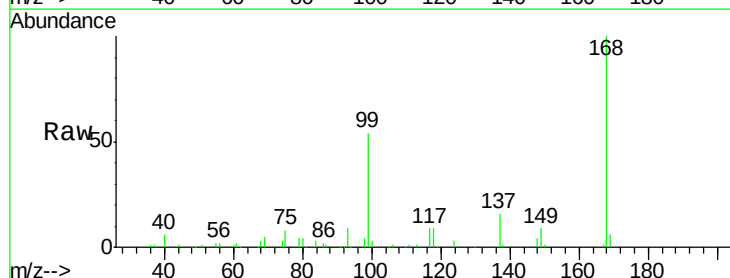
Tgt Ion: 56 Resp: 9404

Ion Ratio Lower Upper

56 100

69 283.5 24.0 36.0#

84 201.4 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

12000

10000

8000

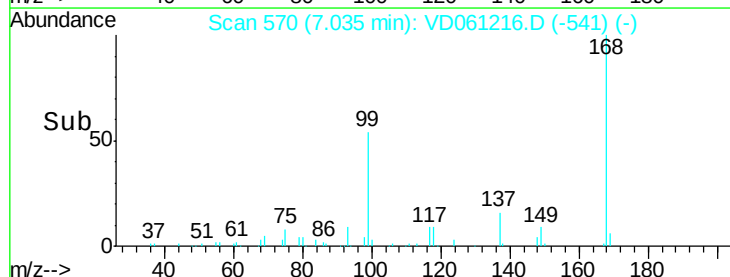
6000

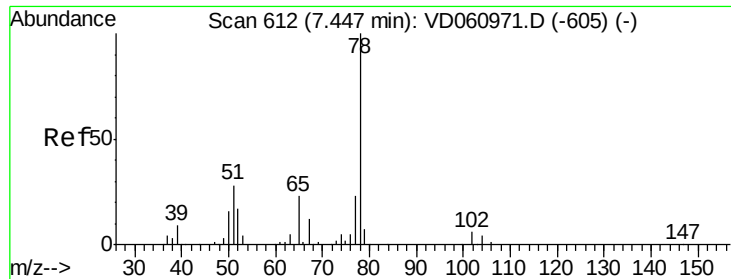
4000

2000

0

Time-->

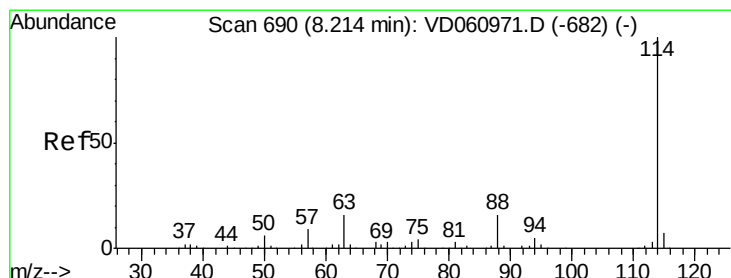
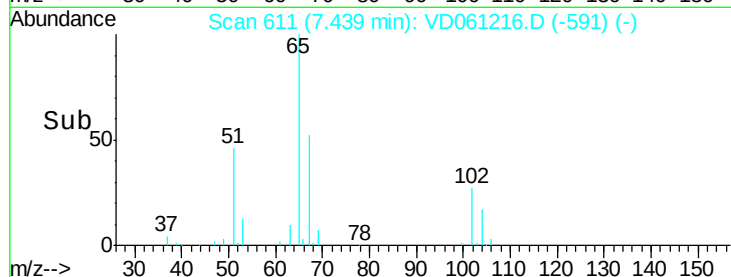
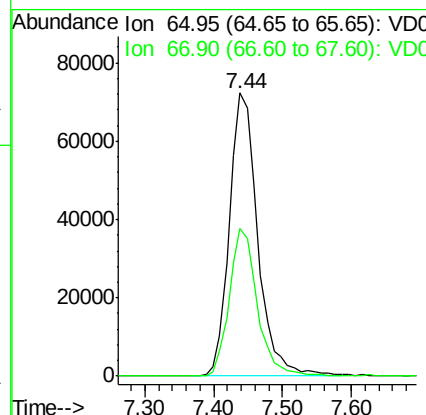
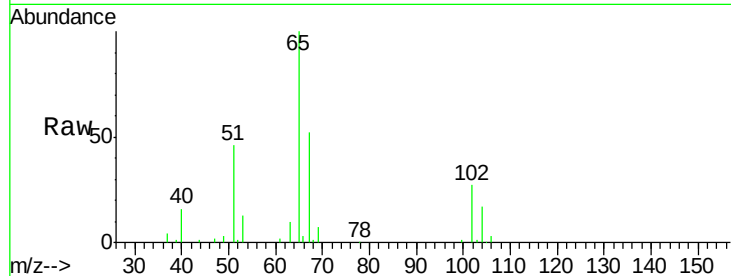




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

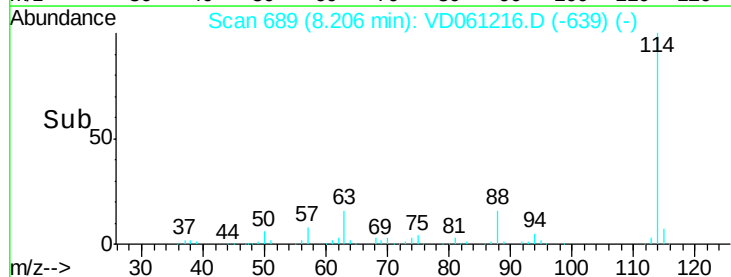
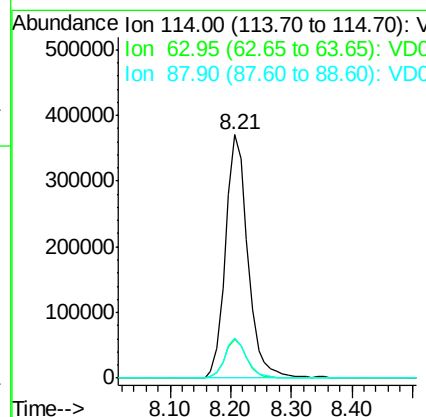
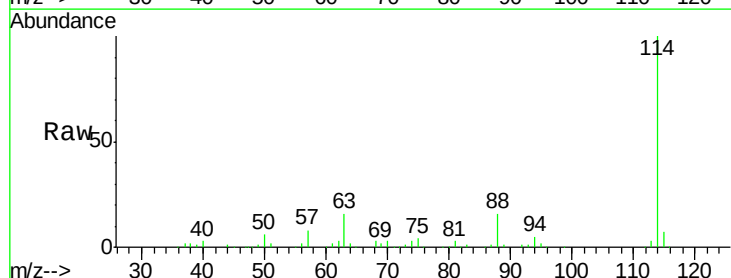
Instrument :
 MSVOA_D
 ClientSampleId :

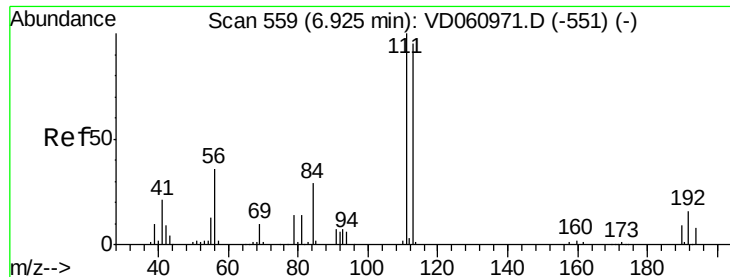
Tot Ion: 65 Resp: 206134
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

Tgt Ion: 114 Resp: 951556
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 16.4 0.0 33.0

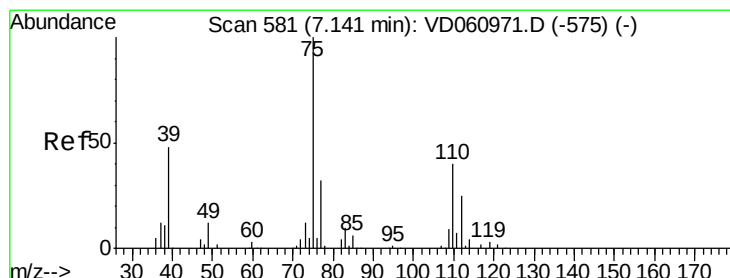
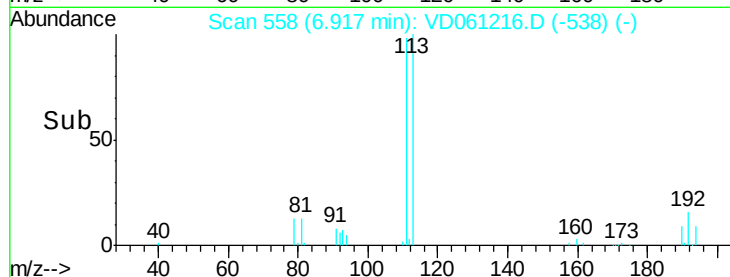
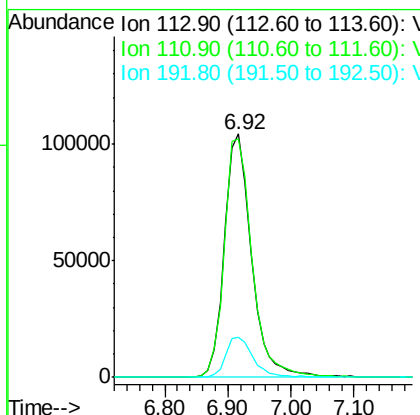
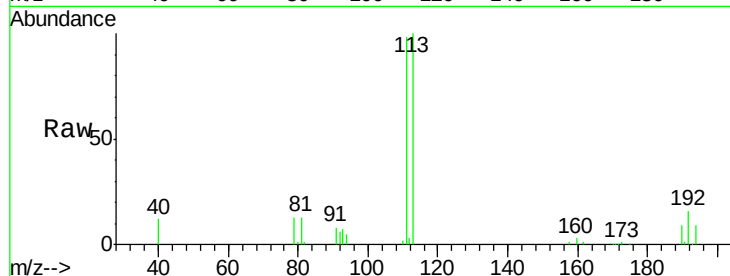




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

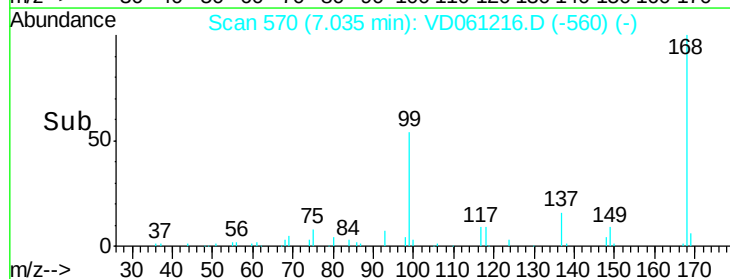
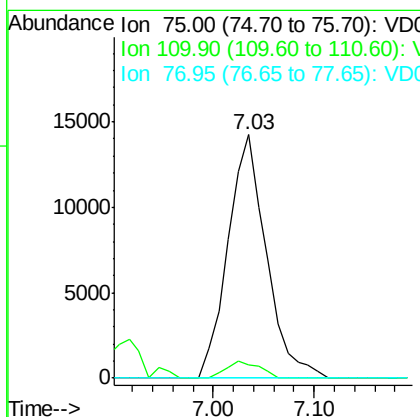
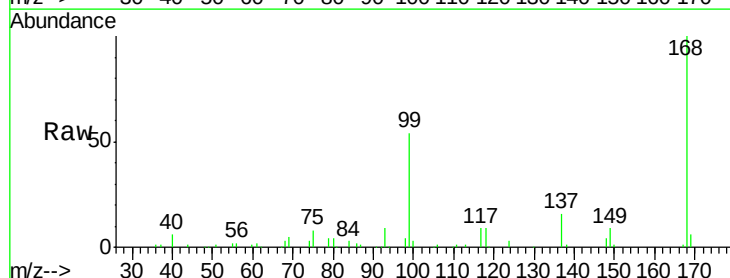
Instrument :
 MSVOA_D
 ClientSampled :

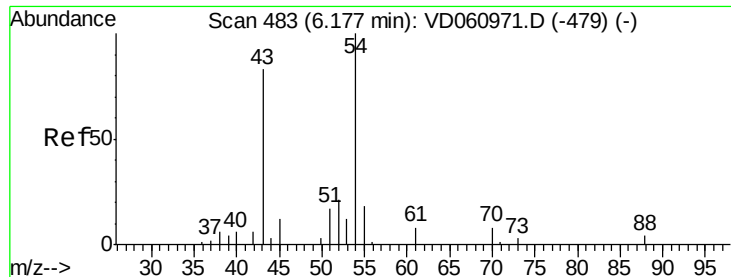
Tot Ion:113 Resp: 312293
 Ion Ratio Lower Upper
 113 100
 111 97.8 84.2 126.4
 192 16.2 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

Tgt Ion: 75 Resp: 37620
 Ion Ratio Lower Upper
 75 100
 110 5.6 19.7 59.1#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.376 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.13 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

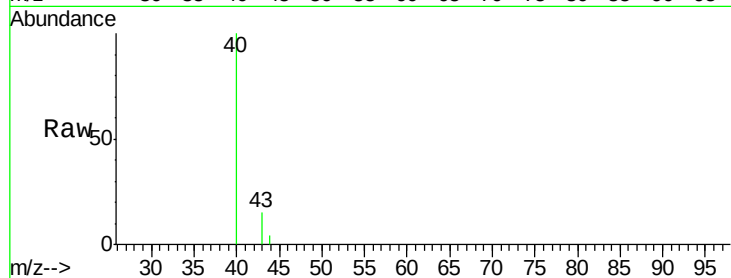
Tot Ion: 43 Resp: 5297

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

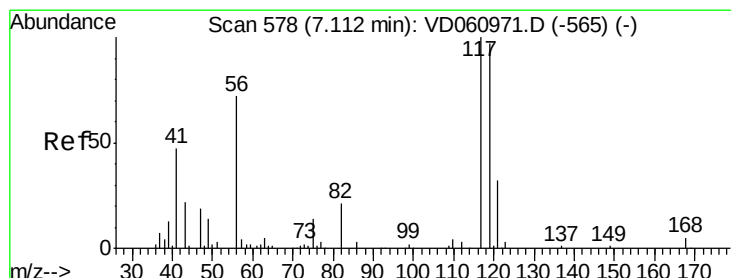
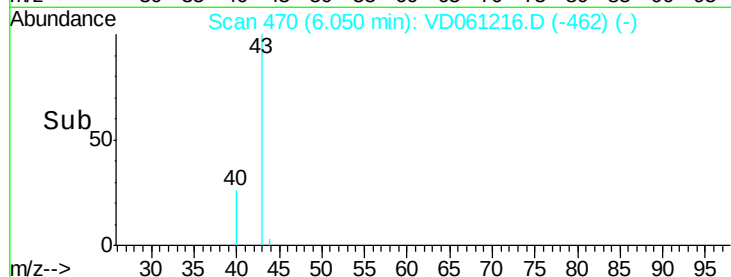
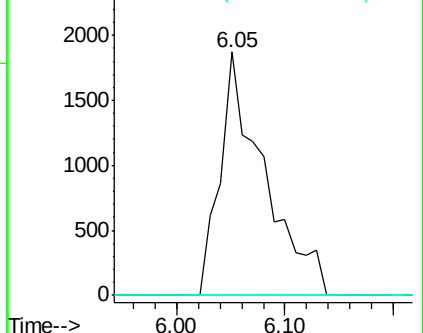
70 0.0 7.1 10.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

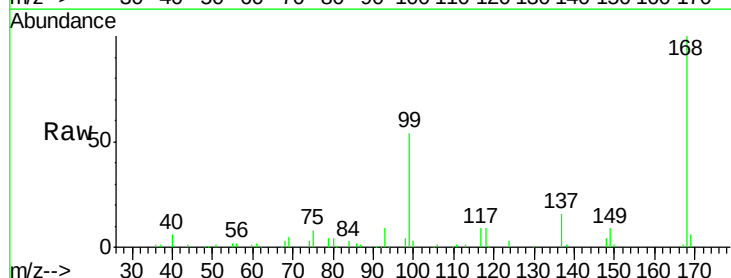
Tgt Ion: 117 Resp: 51280

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

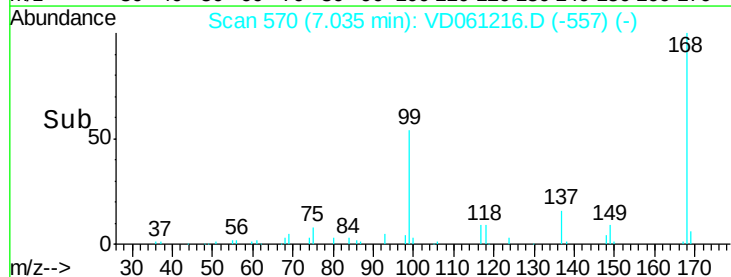
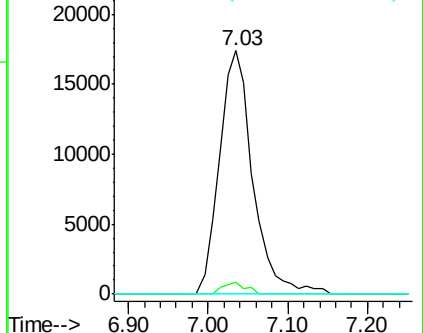
121 0.0 25.3 37.9#

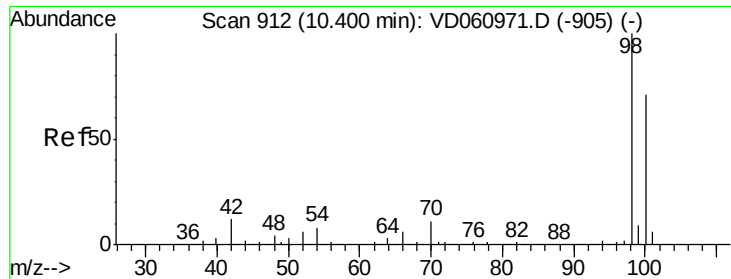


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

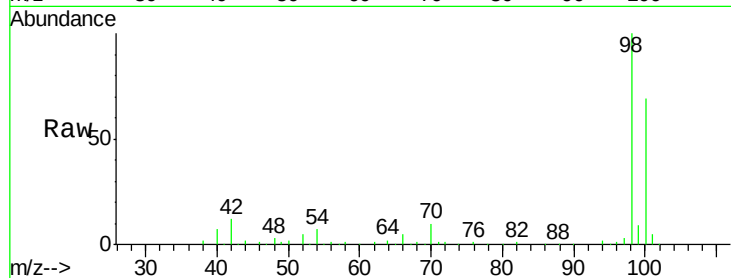
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 599157

Ion Ratio Lower Upper

98 100

100 69.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

300000

250000

200000

150000

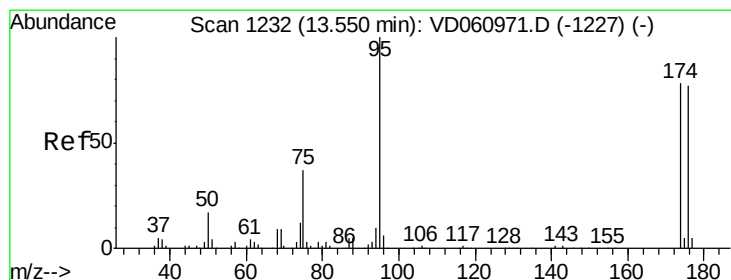
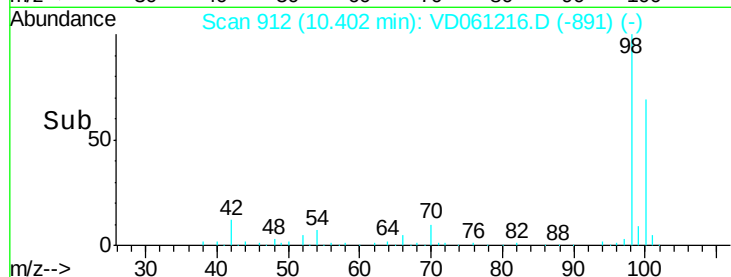
100000

50000

0

10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

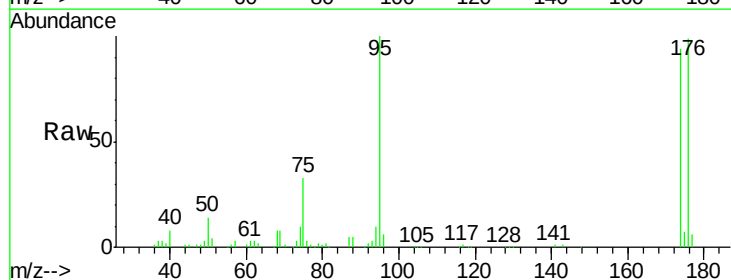
Tgt Ion: 95 Resp: 199711

Ion Ratio Lower Upper

95 100

174 93.6 0.0 155.6

176 98.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

150000

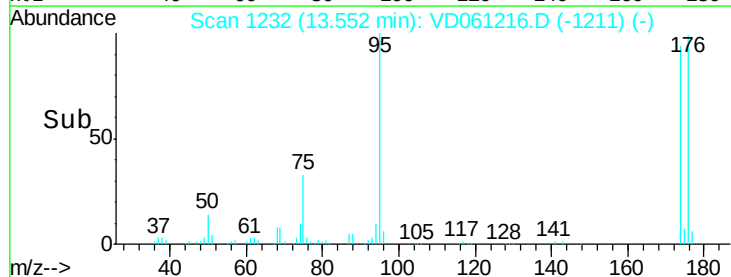
100000

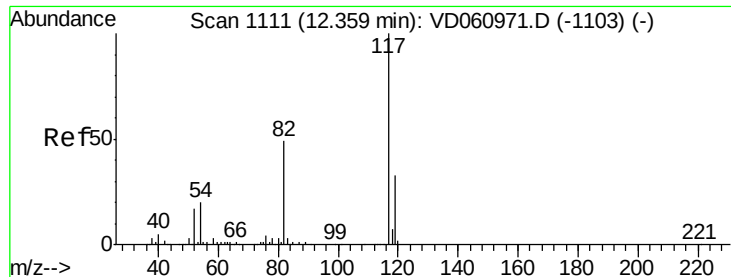
50000

0

13.50 13.55 13.60

Time-->

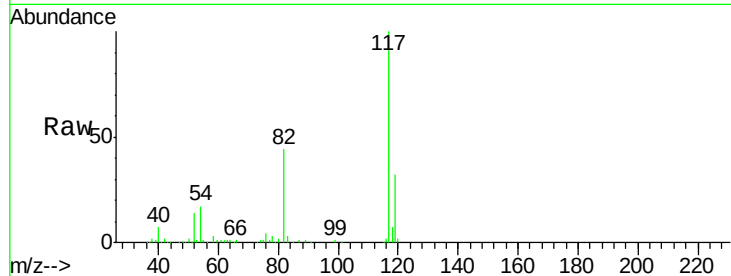




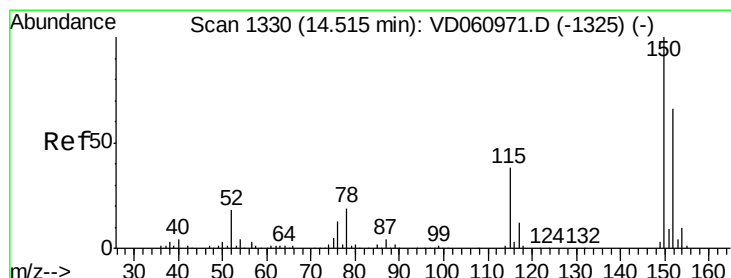
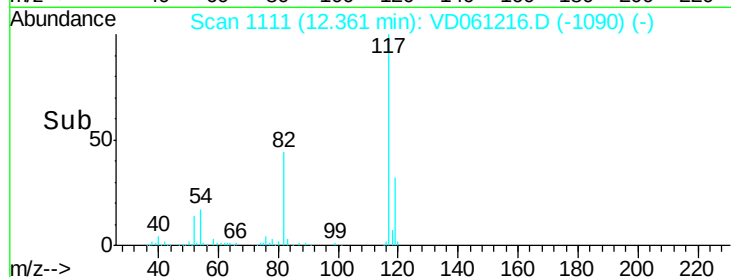
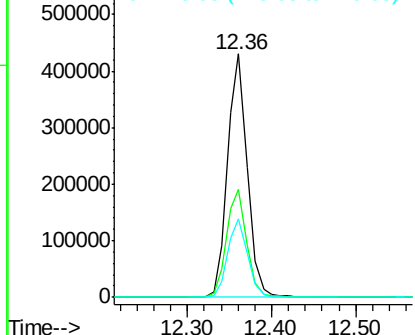
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 696873
 Ion Ratio Lower Upper
 117 100
 82 44.4 38.9 58.3
 119 32.4 26.6 39.8

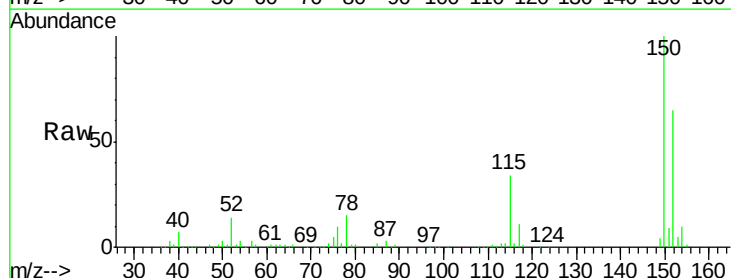


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

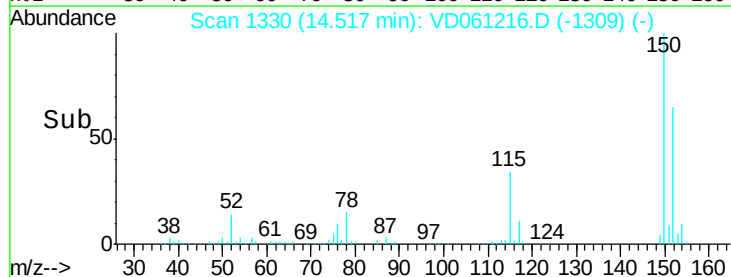
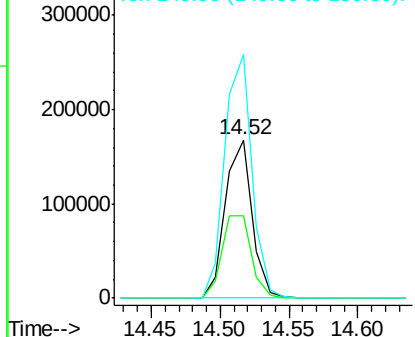


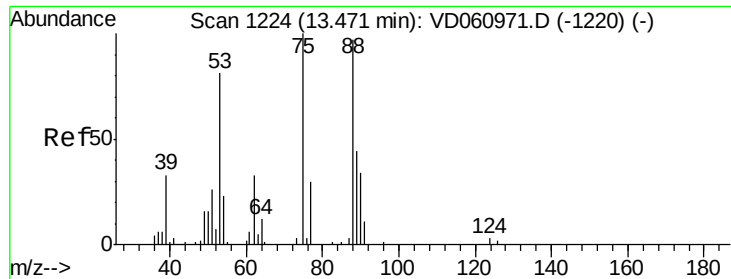
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061216.D
 Acq: 20 Mar 2019 18:58

Tgt Ion:152 Resp: 225948
 Ion Ratio Lower Upper
 152 100
 115 52.5 28.6 85.9
 150 154.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.411 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061216.D

Acq: 20 Mar 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

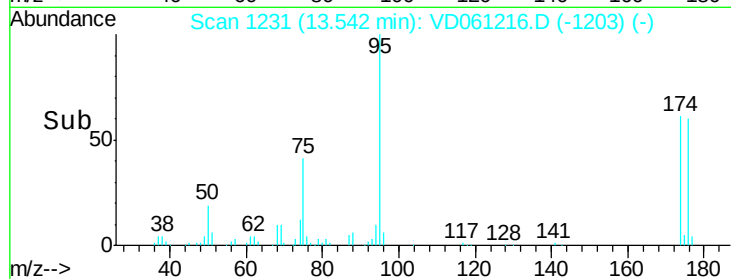
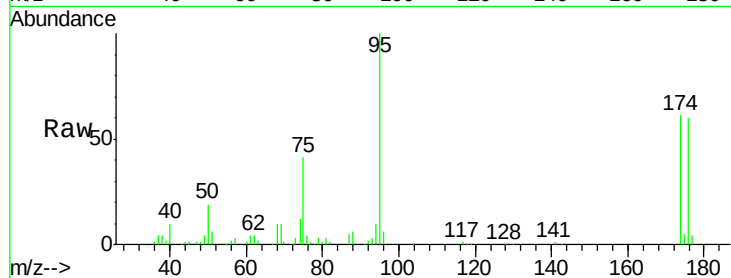
Tot Ion: 75 Resp: 72271

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

